Kit) 1/10/91

SCORING KEY FOR NIOSH GENERAL JOB STRESS QUESTIONNAIRE

- Physical Environment Evaluation: Page 2, Questions 1 to 10.
 Compute average of items, reverse score 1,2,5,9,10.
- 2. Role Conflict: Page 2 & 3 Questions 3,5,7,8,10,11,12,14.
 Compute average of items, no reverse scoring.
 Alpha = .82 (From data from 700 Newfoundland NURSES)
- 3. Role Ambiguity: Pages 2 & 3, Questions 1,2,4,6,9,13.
 Compute average of items, reverse score all items.
 Alpha = .74 (NURSES)
- 4. Intragroup Conflict: Page 3, Questions 1 to 8.
 Compute average of items, reverse score 1,5,7,8.
 Alpha = .86 (NURSES)
- 5. Intergroup Conflict: Page 3 & 4, Questions 9 to 16.

 Compute average of items, reverse score 10,12,14.

 Alpha = .85 (NURSES)

NOTE: Principal Factor and Principal Components Analyses (using oblique rotation) of the nurses responses to the Conflict Items indicate that there are three factors present:

Intragroup Conflict (Questions 2,3,4,6, & 15)
Alpha = .79

Intergroup Conflict (Questions 9,10,11,12,13,14, & 16)

Group_Cohesion_(Questions 1,5,7, & 8)
Alpha = .81

Alpha = .85

6. Job Future Ambiguity: Page 4, Questions 1 to 4.
Compute average of items, reverse score all items.
Alpha = .65 (NURSES)

7. Perceived Control, Page 5 and 6, Questions 1 to 16.

Compute average of items, no reverse scoring.

Alpha = .90 (NURSES)

1 - 1 - 2 - 2 - 2 - 3

NOTE: Principal Factor Analysis (oblique rotation) with Scree test indicate the presence of four factors:

Task Control (Questions 1,3,4,5,6,15, & 16)

Alpha = .85

Decision Control (Questions 8,10,11,& 13)

Alpha = .74

Physical Envioronment Control (Questions 7 & 14)

Alpha = .79

Resource Control (Questions 2 & 12)

Alpha = .82

8. Lack of Alternative Opportunities: Page 6, Questions 1 to 3.

Compute average of items, no reverse scoring.

Alpha = .80

9. Social Support from Supervisor: Page 6 & 7, Questions 1A,2A,3A,4A.

Compute average of items, no reverse scoring.

Alpha = .88 (.87 from NIDSH study of 6000 postal workers)

/ 10. Social Support from Coworkers: Pages 6 & 7, Questions 18,28,38,48.

Compute average of items, no reverse scoring.

Alpha = .84 (.85 POSTAL WORKERS)

11. Social Support from Family/Friends: Page 6 & 7, Questions 1C,2C,3C,4C

Compute average of items, no reverse scoring.

Alpha = .85 (.76 POSTAL WORKERS)

12. Quantitative Workload: Page 7, Questions 1 to 4, page 8, Questions 1 to 7.

Compute average of items, reverse score questions 1,2,5,7, Page 8.

Alpha = .85 (NURSES)

13. Variance in Workload: Page 7 & top page 8, Questions 5 to 7.

Compute average of items, no reverse scoring.

Alpha = .86 (NURSES)

NOTE: Principal Factors and Principal Compontents Analyses (using oclique rotation) of responses to all workload workload items by Nurses indicated slightly differetn factors:

Quantitative Workload (Page 8, Questions 1,2.3,4,5,& 7)

Alpha = .75

<u>Variance in Workload</u> (Page 7 and top page 8, Questions 1-7)

Alpha = .90

14. Responsibility for People: Bottom Page 8, Questions 8 to 11.

Compute average of items, no reverse scoring.

Alpha = .62 (NURSES)

15. Skill Underutilization: Top Page 8, Questions 8 to 10.

Compute average of items, reverse score all items.

Alpha = .73 (NURSES)

16. Mental Demands: Page 9, Questions 1 to 5.

Compute average of items reverse score 1,2,3.

Alpha = .75 (.71 POSTAL WORKERS)

17. Nonwork Activities: Page 9, Questions 1 to 7.

Compute sum of items, scoring "yes" as 1 and "no" as 0

18. Type A Personality: Bottom Page 14 & 15, Questions 1 to 20.

Compute average of items, reverse score Questions 3,6,8,9,11,12,14,15,16,18.

1) o longer used Alpha = .85 (POSTAL WORKERS)

19. Self-Esteem: Bottom page 9 and Top Page 10, Questions 1 to 10.

Compute average of items, reverse score Questions 2,3,6,7,& 9.

Alpha = .85 (NURSES)

20. Somatic Complaints: Page 10, Questions 1 to 17.

Compute average of items, no reverse scoring.

Alpha = .87 (NURSES)

21. Job Satisfaction: Top Page 14, Questions 1 to 4.

Compute average of items, reverse score all items.

Alpha = .83 (NURSES)

GENERAL JOB INFORMATION

1.	How long have you worked for your present employer?	years	
2.	What is your current job title?		
2	How long have you worked in this job?		
٦.	now long have you worked in this job:	years	months
4.	Please circle the most appropriate description of yo Full-time permanent employee	our job	situation:
5.	Circle the description that comes closest to your pr Rotating eight-hour shift	resent	work shift:
6.	How long have you worked the shift you circled above	e?	
7.	If you work on a rotating shift, what rotation patter Eight-hour shift: day to evening to night 1 day to night night to evening to day 2 night to day no set pattern 3 no set pattern	shift ht . ay .	: 4 5
8.	How many times a week do you change shifts? [0] I don't change		
9.	How many hours do you normally work per week in yourhours	r job (not counting overt
10.	How many hours overtime do you work in your job in a	an aver	age week?
11.	How many hours per week do you work on any other job (Please mark "O" if no other job) hours	b?	

PHYSICAL ENVIRONMENT

Please indicate whether the following statements about your job are true or false: (Circle one number per item)

141.	se. (differ one number per ream)	TRUE	FALSE
1.	The level of noise in the area(s) in which I work is usually high.	1	2
2.	The level of lighting in the area(s) in which I work is usually poor.	1	2
3.	The temperature of my work area(s) during the summer is usually comfortable.	1	2
4.	The temperature of my work area(s) during the winter is usually comfortable.	1	2
5.	The humidity in my work area(s) is usually either too high or too low.	1	2
6.	The level of air circulation in my work area(s) is good	. 1	2
7.	The air in my work area(s) is clean and free of pollution.	1	2
8.	In my job, I am well protected from exposure to dangerous substances (e.g. radiation, medications and anesthetic gases, etc.).	1	2
9.	The overall quality of the physical environment where I work is poor.	1	2
10.	My work area(s) is/are awfully crowded.	1	2

YOUR JOB

How accurate are each of the following statements in describing your job? Use the following response categories:

Very	Mostly	Slightly		Slightly	Mostly	Very
<u>Inaccurate</u>	<u>Inaccurate</u>	Inaccurate	<u>Uncertain</u>	Accurate	Accurate	Accurate
1	2	3	4	5	6	7

1	2	3	4	5	. 6	
1.	I feel certai	n about ho	w much author:	ity I have.		

- AMBG2. There are clear, planned goals and objectives for my job.
 - 3. I have to do things that should be done differently.
 - 4. I know that I have divided my time properly.

<u> (20</u> 5.	I receive an assignment without the help I need to complete it.
AMP. 6.	I know what my responsibilities are.
<u>RC</u> 7.	I have to bend or break a rule or policy in order to carry out an assignment.
<u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	I work with two or more groups who operate quite differently.
9.	I know exactly what is expected of me.
10.	I receive incompatible requests from two or more people.
RC 11.	I do things that are apt to be accepted by one person and not accepted by others.
12.	I receive an assignment without adequate resources and materials to execute it.
13.	Explanation is clear about what has to be done on my job.
<u>₩</u> /14.	I work on unnecessary things.
	CONFLICT AT WORK
Using the sc	ale below, please answer the following questions about your work situation.
Disagre Strongl 1	· · · · · · · · · · · · · · · · · · ·
1	. There is harmony within my group.
2	. In our group, we have lots of bickering over who should do what job.
3	. There is difference of opinion among the members of my group.
4	. There is dissension in my group.
5	. The members of my group are supportive of each other's ideas.
6	. There are clashes between subgroups within my group.
7	. There is friendliness among the members of my group.
8	. There is "we" feeling among members of my group.
9	. There are disputes between my group and other groups.
10	. There is agreement between my group and other groups.
1	. Other groups withhold information necessary for the attainment of our group tasks.

12.	The relationship harmonious in att					
13.	There is lack of a other groups.	mutual assistance	between my gro	up and		
14.	There is cooperat	ion between my gr	oup and other g	roups.		
15.	There are persona	lity clashes betw	een my group an	d other groups.		
16.	Other groups crea	te problems for m	y group.			
		YOUR JOB FUTURE				
	In the future, some jobs will be changing while others will be staying the same. Here are some questions which deal with this topic.					
Somewhat	A little	Somewhat	Fairly	Very		
<u>Uncertain</u> 1	<u>Uncertain</u> 2	<u>Certain</u> 3	<u>Certain</u> 4	<u>Certain</u> 5		
1.	How certain are y like?	ou about what you	r future career	picture looks		
	How certain are y advancement which		•			
3.	How certain are y and value five ye		your job skills	will be of use		
4.	How certain are y months from now?	ou about what you	r responsibilit	ies will be six		
5.	If you lost your yourself?	job, how certain .	are you that yo	ou could support		

CONTROL SCALE

The next series of questions asks how much influence you now have in each of several areas. By influence we mean the degree to which you control what is done by others at work and have freedom to determine what you do yourself at work.

		Very Littl	e <u>Little</u>	. <u>A M</u>	oderate	Amount	Much	Very Much
		1	2		3			3
TC	1.	How much	influence do	you have	over t	the vari	ety of tasks	you perform?
	2.		influence do you need to	-		the avai	lability of	supplies and
TC	3. ⊝∈	How much tasks at	influence do work?	you have	over (the orde	r in which y	ou perform
TC	4. BE	How much	influence do	you have	over t	the amou	nt of work y	ou do?
a C	5. Se	How much how fast	influence do or slow you v	you have work?	over	the <u>pace</u>	of your wor	k, that is
TL	6.	How much	influence do	you have	over	the qual	ity of the w	ork that you do?
PHYSIAL	7.	How much of your w	influence do ork area?	you have	over	the arra	ngement and	decoration
	8.		influence do ls in your w					ning which
SCALE LOND	9.	How much	influence do	you have	e over	the hour	s or schedul	e that you work?
1	10.		influence do one in your			the deci	sions as to	when things
1	11.	How much in your u	do you influenit?	ence the	polici	es, proc	edures, and	performance
1	12.		influence do to do your w		over	the avai	lability of	materials
1	13.	How much your unit		you have	e over	the trai	ning of othe	r workers in

BE = BU EILLIS Q

SIMASI	14	4. How much influence do you have over th other work equipment in your unit?	e arrangement of furniture and
	15	5. To what extent can you do your work ah break during work hours?	ead and take a short rest
-	<u></u>	6. In general, how much influence do you factors?	have over work and work-related
		EMPLOYMENT OPPORTU	NITIES
	relatitem	next four questions ask you to evaluate yo tionship to other jobs you might be able t by placing a check mark next to the respo ings about the question.	o get. Please respond to each
		How easy would it be for you to find a sui	
	_		ot easy at all
		How easy would it be for you to find a job with another employer?	as good <u>as the one you now have</u>
		(1) Very easy(4) No	ot quite so easy ot easy at all
	-	(3) Fairly easy	•
	-	How would you describe the <u>number of avail</u> employers, for a person with your qualific (1) A great many (4) Fe (2) Quite a few (5) Ve (3) A moderate number	cations?
	1	How likely is it that you would you have to find a suitable job with another employ (1) Very unlikely (3) So (2) Somewhat unlikely (4) Very unlikely (5)	ver? omewhat likely
		SOCIAL SUPI	PORT
65		How much does each of these people go out your work life easier for you?	of their way to do things to make
		V	Don't
		•	y Some- A Not Have any h what Little at all Such person
		a. Your immediate supervisor (boss) 5	4 3 2 1
		b. Other people at work 5	4 3 2 1
	(c. Your spouse, friends and relatives 5	4 3 2 1

2. How easy is to talk with each of the following people?

			A Little		Have any Such person
a. Your immediate supervisor (boss)	5	4	3	2	1
b. Other people at work	5	4	3	2	1
c. your spouse, friends and relatives	5	4	3	2	1

3. How much can each of these people be relied on when things get tough at work?

		-		A Little		Have any Such person
a.	Your immediate supervisor (boss)	5	4	3	2	1
b.	Other people at work	5	4	3	2	1
c.	Your spouse, friends and relatives	5	4	3	2	1

 c_{j}^{C} 4. How much is each of the following <u>willing to listen</u> to your personal problems?

	_		A little		Have any Such person
a. Your immediate supervisor (boss)	5	4	3	2	1
b. Other people at work	5	4	3	2	1
c. Your spouse, friends and relatives	5	4	3	2	1

JOB REQUIREMENTS

Now we would like you to indicate <u>how often</u> certain things happen at your job. Please write a number in the space next to each item based on the following scale.

How often do these things happen in your job?

Rarely	Occasionally	Sometimes	Fairly Often	Very Often
1	2	3	4	5
 1. How	often does your jo	ob require you to	work very fa	st?
 2. How	often does your jo	ob require you to	work very ha	rd?
 3. How	often does your jo	b leave you with	little time	to get things done?
 4. How	often is there a	reat deal to be	done?	•
 5. How	often is there a	narked increase i	n the work lo	ad?
 •	often is there a nuired on your job?	narked increase i	n the amount	of concentration

7.	How often	is there a mar	ked increase	in how fa	st you have to	think?
8.		does your job n school?	let you use	the skills	and knowledge	you
9.	How often	are you given	a chance to	do the thi	ngs you do best	?
10.	How often	can you use th	e skills fro	m your pre	vious experienc	e and
		WORKI	OAD AND RESP	ONSIBILITY		
Please in	ndicate ho	are concerned w much of each l based on the f	aspect you h	ave on you		
Hard]	ly	A		A	A Gr	eat
Any		Little	Some	Lot		
1		2	3	4		5
1.	How much	slowdown in the	work load o	lo you expe	rience?	
2.	How much	time do you hav	re to think a	and contemp	late?	
3.	How much	work load do yo	ou have?			
4.	What quar	ntity of work do	others expe	ect you to	do?	
5.	How much	time do you hav	ve to do all	your work?		
6.	How many	projects, assig	gnments, or	tasks do yo	u have?	
7.	How many	lulls between 1	neavy work l	oad periods	do you have?	
8.	How much	responsibility	do you have	for the fu	ture of others	?
9.	How much	responsibility	do you have	for the jo	b security of o	others?
10.	How much	responsibility	do you have	for the mo	rale of others	?

____11. How much responsibility do you have for the welfare and lives of others?

MENTAL DEMANDS

Please indicate the degree to which you agree or disagree with the following statements about your job. Use the following scale.

	Strongly Agree	Slightly Age	ree <u>Slightly</u>	<u>Disagree</u> 3	Strongly	<u>Disagree</u> 4
	_ 1. My job requ	ires a great o	ieal of concent	ration.		
	_ 2. My job requ	ires me to rem	nember many dif	ferent thin	ıgs.	
	_ 3. I must keep	my mind on my	y work at all t	imes.		
	_ 4. I can take	it easy and s	till get my wor	k done.		
	_ 5. I can let m	y mind wander	and still do t	he work.		
		NON	-WORK ACTIVITIE	S	YES	NO
1.	Do you work on a	nother job in	addition to th	is one?	1	0
2.	Do you have chil	dren at home?	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	1	0
3.	Do you have primduties?				1	0
4.	Do you have primduties?				1	0
5.	Do you have primelderly or disab		_		1	0
6.	Are you going to toward a degree?		aking courses f	or credit	1	0
7.	Do you belong to at which you spe	_	_	-	1	0
		HOW YOU	FEEL ABOUT YOU	RSELF		
	Strongly Disagree 1		leither agree lor Disagree 3	Agree 4	Stron Agn 5	ngly ree
	1. On the who	le, I am satis	fied with mysel	lf.		
	2. I feel I de	not have muc	th to be proud o	of.		
	3. I certainly	v feel useless	at times.			

	I feel that I'm a person of woothers.	orth, at le	east on an equal	basis with
5. 1	I feel that I have a number of	f good qual	lities.	
6. /	All in all, I am inclined to	feel that I	am a failure.	
7. :	I wish I could have more respe	ect for my	self.	
8.	I am able to do things as well	l as most o	other people.	
9. #	At times I think I am no good	at all.		
10.	I take a positive attitude to	ward mysel:	ε.	
	GEN	ERAL HEALT	H	
health.	tion of the questionnaire contact. These items are <u>not</u> necessari nat people experience in their	ly related	to severe physic	
How often	n have you experienced any of	the follow	ing during the pa	st month?
Never 1		times 3	Fairly Often 4	Very Often 5
1.	Your face became hot when you	u were not	in a hot room or	exercising.
2.	You perspired excessively wh	en you wer	e not in a hot ro	om or exercising.
3.	Your mouth became dry.			
4.	Your muscles felt tight and	tense.		
5.	You were bothered by a heada	che.		
6.	You felt as if the blood wer	e rushing	to your head.	
7.	You felt a lump in your thro	at or a ch	oked-up feeling.	
8.	Your hands trembled enough t	o bother y	ou.	
9.	You were bothered by shortne working hard or exercising.	ss of brea	th when you were	not
10.	You were bothered by your he	art beatin	g hard.	
11.	Your hands sweated so that y	ou felt da	mp and clammy.	
12	You had enable of dizzinese			

	_13.	You were	e bothered	by hav	ing an up	set si	tomach o	r sto	omach	ach	ie.
	_14.	You were	e bothered	by you	r heart b	eating	8.				
	_15.	You wer	e in ill he	alth w	hich affe	cted	your worl	k.			
	_16.	You had	a loss of	appeti	te.						
	_17.	You had	trouble sl	eeping	at night						
				HEA	LTH CONDI	TIONS					
			welve month lease circl		a doctor	ever	treated	you	for,	or	told you
1.	Diab	etes	• • • • • • • • • • • •						1		2
2.	Canc	er	• • • • • • • • • •			• • • • •		• • •	1		2
3.			pture						1		2
4.			• • • • • • • • • •						1		2
5.			• • • • • • • • • •						1		2
6. 7.	_		pressure.						1		2 2
8.			• • • • • • • • • • •						1		2
9.			• • • • • • • • • • • •						î		2
10.									ī		2
11.			remor, or						1		2
12.			adder troul						1		2
13.			thing prob						1		2
14.			• • • • • • • • •						1		2
15.			••••••						1		2
16. 17.			, liver, or						1		2 2
18.			ble or goi						1		2
19.			• • • • • • • • • • • • • • • • • • • •						î		2
20.			•••••						ī		2
21.			T						1		2
22.	Alco	holism						• • •	1		2
23.			oblems						1		2
24.	Back	c problem	ns	• • • • • •	• • • • • • •	• • • • •	• • • • • • •	• • •	1		2
				OTHER	HEALTH II	NFORMA	TION				
1.		_	day, how a	_	each of	the f	ollowing	do	you s	mok	e?
	a. (Cigarette	28				(Ciga	rette	s)	
		Cigars					(Ciga	rs)	-	
	c. I	Pipefuls	of tobacco				(

2.	During the past 6 months, have you had any on the job accidents?	
	YES 1 NO 2	
3.	During the past month, about how many days of sick leave did you take?Days (Please mark "O" if none).	
4.	During the past week, how often did you experience the following:	
	Rarely or none Some of the time Occassionaly or a Most or all of the of the time (1-2 days) moderate amount of time (5-7 days) time (3-4 days)	
	0	
	I was bothered by things that usually don't bother me. I did not feel like eating; my appetite was poor. I felt that I could not shake off the blues even with help from my family or friends. I felt that I was just as good as other people. I had trouble keeping my mind on what I was doing. I felt depressed. I felt that everything I did was an effort. I felt hopeful about the future. I thought my life had been a failure. I felt fearful. My sleep was restless. I was happy. I talked less than usual. I felt lonely. People were unfriendly. I enjoyed life. I had crying spells. I felt sad. I felt that people disliked me. I could not get "going".	
5.	During the past month, have you experienced any of the following: (please circle)	
	NO YES	
	1. Cold or flu symptoms 2. Hayfever or allergy symptoms 3. Allergic skin rash 4. Slow healing wounds 5. Cold sores or fever blisters 6. Arthritis symptoms (swollen or painful joints) 7. Other illness (please explain) 1 2 3 3 4 5 7 6 7 7 7 8 7 8 7 8 7 8 8 8 8 9 8 9 8 9 8 9	

BACKGROUND INFORMATION

1.	What is your se	k? (Circle one)		
	Female	Male		
2.	How old were you	u on your last bir	thday?	years
3.	What is your ma Married Single, Never M	1	Single, Divorce Single, Widowed	
4.	If you have chi age groups? (F		ome, how many are in	each of the following
	Under 4 year 4 through 12 13 through 1 19 and over	years(Cr 8 years(Cr	nildren)	
		JOB S	SATISFACTION	
	We would like y Circle one numb		the type of work you	ou do in your job.
1.	_	f job you now have	had to decide all e, what would you do	over again whether to ecide?
		1	2	3
		Decide Without	Have Some	Decide Definitely
		Hesitation to	Second Thoughts	
		Take the Same Joh	_	This Type of Job
2.	If you were fre would your choi	ce be?	into any type of je	ob you wanted, what
	- mod14	1	2	3
		Take the Same		Not Want
		Job	Different Job	to Work
3.		t would you tell I	/she was interested him/her? (Circle one	in working in a job e Number)
	Strongly Recomm			vise Against It
4.	All in all, how (Circle One Num		you say you are wit	h your job?
	I Am		•	
	1	2	3	4
	Very	Somewhat	Not Too	Not At All
	Satisfied	Satisfied	Satisfied	Satisfied

No longer used

ACTIVITY LEVEL

Please indicate the degree to which each of the following statements are true or false as they apply to you. Use this scale:

	initely alse l	Mostly False 2	Don't <u>Know</u> 3	Mostly <u>True</u> 4	Definitely True 5
1.,	I am more re	estless and fi	dgety than m	ost people.	
2.	I ordinarily	work quickly	and energet	ically.	•
3.	I am rather	deliberate in	telephone c	onversations.	
4.	I am often i	in a hurry.			
5.	In conversat	ion I often g	gesture with	hands and head	•
6.	I rarely dri	ive a car too	fast.		
7.	As a boy or	girl I prefer	rred work in	which I could	move around.
8.	People consi	ider me to be	rather quite	•	
9.	I usually sp	peak more soft	tly than most	people.	
10.	My handwriti	ing is rather	fast.		
11.	I often work	k slowly and	leisurely.		
12.	I prefer to	linger over	a meal and en	joy it.	
13.	I like to di	rive a car ra	ther fast whe	n there is no	speed limit.
14.	I like work	that is slow	and delibera	ite.	
15.	I talk more	slowly than i	most people.		
16.	I often let	a problem wo	rk itself out	by waiting.	
17.	I often try	to persuade	others to my	point of view.	•
18.	I generally	walk more sl	owly than mos	st people.	
19.	I eat rapid	ly even when	there is plen	ity of time.	
20.	I usually w	ork quickly.			

PROBLEMS AT WORK

People deal with day to day problems at work in many ways. When faced with problems at work, how often do you do each of the following? Use this scale:

Rarel	y <u>Occasionally</u> 2	Sometimes 3	Fairly Often 4	<u>Very Often</u> 5
 _ 1.	Make a plan to solv	e the problem	n(s) and stick to	it.
 _ 2.	Go on as if nothing	has happened	1.	
 _ 3.	Feel responsible fo	r the problem	n(s).	
 _ 4.	Daydream or wish th	at you could	change the probl	em(s).
 _ 5.	Talk to your boss o	r co-workers	about the proble	m(s).
 _ 6.	Become more involve	d in activit	les outside of wo	rk.